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NOTICE OF ALLOWANCE AND FEE(S) DUE

71867 7590 08/24/2009
BANNER & WITCOFF, LTD
ATTORNEYS FOR CLIENT NUMBER 007412
1100 13th STREET, N.W.
SUITE 1200

WASHINGTON, DC 20005-4051

EXAMINER
PENG, FRED H
ART UNIT PAPER NUMBER
2476

DATE MAILED: 08/24/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/797,832	03/09/2004	Christopher Goode	007412.00271	5683

TITLE OF INVENTION: NETWORK BANDWIDTH OPTIMIZATION BY DYNAMIC CHANNEL ALLOCATION

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	11/24/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

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If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and I/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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APPLICATION NO.	FILING DATE		FIRST NAMED INV	ENTOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/797,832 TITLE OF INVENTION	03/09/2004 : NETWORK BANDWI	DTH OPTIMIZATIO	Christopher Go ON BY DYNAMIC CH		ALLOCATION		007412.00271	5683
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APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FE	EDUE	PREV. PAID ISSUE	FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300		\$0		\$1810	11/24/2009
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PENG, I		2426	725-095000)				
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- 11	s SMALL ENTITY state	is. See 37 CFR 1.27.					ITTY status. Sec 37 Cl	
NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if req records of the United Sta	urred) will not be acc tes Patent and Trade	cepted from anyone othe mark Office.	r than ti	ne applicant; a regi	stered a	attorney or agent; or th	ne assignee or other party in
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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.



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BANNER & WI	TCOFF, LTD	PENG, FRED H		
	R CLIENT NUMBER	ART UNIT	PAPER NUMBER	
1100 13th STREE SUITE 1200	-,		2426 DATE MAILED: 08/24/200	9

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 948 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 948 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/797 832 GOODE, CHRISTOPHER Notice of Allowability Examiner Art Unit FRED PENG 2426 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to 04/23/2009. The allowed claim(s) is/are 1-13. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). b) ☐ Some* c) ☐ None of the: 1. T Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. __ 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. | Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 6 Interview Summery (PTO-413). Notice of Draftperson's Patent Drawing Review (PTO-946). Paper No./Mail Date Information Disclosure Statements (PTO/SB/08). T Examiner's Amendment/Comment Pacer No./Mail Date

U.S. Patent and Trademark Office

of Biological Material

4. T Examiner's Comment Regarding Requirement for Deposit

9. ☐ Other _____.
/Joseph P. Hirl/

August 14, 2009

8. X Examiner's Statement of Reasons for Allowance

Supervisory Patent Examiner, Art Unit 2426

Application/Control Number: 10/797,832

Art Unit: 2426

Reasons for Allowance

1 The following is an examiner's statement of reasons for allowance: claims 1-13 are considered allowable since when reading the claims in light of the specification, as per MPEP § 2111.01, In re-Donaldson Co., Inc., 29 USPQ 2d 1845, 1850 (Fed. Cir. 1994), none of the references of record alone or in combination disclose or suggest the combination of limitations specified in independent claim 1. specifically "determining, at said head-end, whether said requested video program is associated with one of a predetermined plurality of subsets of video channels, wherein said plurality of subsets of video channels comprises a first subset of video channels representing a first subset of video broadcast channels having a first subscriber viewership level greater than a threshold level, a second subset of video channels representing a second subset of video broadcast channels having a second subscriber viewership level less than said threshold level; causing substantially continuous transmission of said first subset of video broadcast channels from said head-end to said plurality of subscriber stations; causing transmission of said second subset of video broadcast channels from said head-end to said plurality of subscriber stations based upon availability of channels in said second subset of channels and assigning video programming corresponding to said request to an available one of said second subset of channels" (page 7 line 20 - page 8 line 11).

The closest prior art of Imajima (US 6,211,901) teaches a video data distributing device that includes a service switch determining unit 2 that determines whether newly requested video data causes videos managed by a load state management unit 1 to exceed a predetermined threshold. When the videos managed by load state management unit 1 exceeds the threshold, the service switching determining unit 2 switches the type of service from full-video-on-demand (FVOD) to near-video-on-demand (NVOD) (Col 6 line 9 – Col 7 line 9).

The prior art of Rudrapatna (US 5,592,470) teaches a wireless broadband communication architecture structured to provide an array of narrowband and broadband services to an end user on demand. The bandwidth of delivery is dynamically adjusted to deliver and satisfy service requirements by utilizing the appropriate bandwidth on demand (Abstract). Application/Control Number: 10/797,832

Art Unit: 2426

However, inter alia, Imajima nor Rudrapatna taken singularly or in combination do not teach the invention of the applicant identified above and specifically do not teach determining, at said head-end, whether said requested video program is associated with one of a predetermined plurality of subsets of video channels, wherein said plurality of subsets of video channels comprises a first subset of video channels representing a first subset of video broadcast channels having a first subscriber viewership level greater than a threshold level, a second subset of video channels representing a second subset of video broadcast channels having a second subset of video channels representing a second subset of video broadcast channels having a second subscriber viewership level less than said threshold level.

Any comments considered necessary by applicant must be submitted no later than payment of the issue fee and, and to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statements for Allowance."

Correspondence Information

 Any inquiry concerning this communication or earlier communications from the examiner should be directed to FRED PENG whose telephone number is (571)270-1147. The examiner can normally be reached on Monday-Friday 09:30-19:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor,

Joseph Hirl can be reached on (571) 272-3685. The fax phone number for the organization where this
application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Fhp

/Joseph P. Hirl/

Supervisory Patent Examiner, Art Unit 2129

August 14, 2009